

TARGET RESOURCE ALLOCATION IN AN iSCSI NETWORK ENVIRONMENT

ABSTRACT OF THE DISCLOSURE

A method, system, and computer program product applicable within a server for adaptively allocating target resources in a network environment. In accordance with the method of the present invention, a storage name server triggers a forced target rediscovery evolution during competing sessions in which multiple initiator nodes are communicatively connected to a target node utilizing an associated network target address.

The target rediscovery mechanism is triggered in response to session feedback received from one or more competing initiator nodes or the object target node. Responsive to the received session feedback, the storage name server issues session interruption instructions, and replaces the network target address associated with the target node with a different network target address. Finally, a target rediscovery message is issued to the competing initiator nodes, wherein the target rediscovery message directs the initiator nodes to rediscover available target nodes in accordance with associated network target addresses.